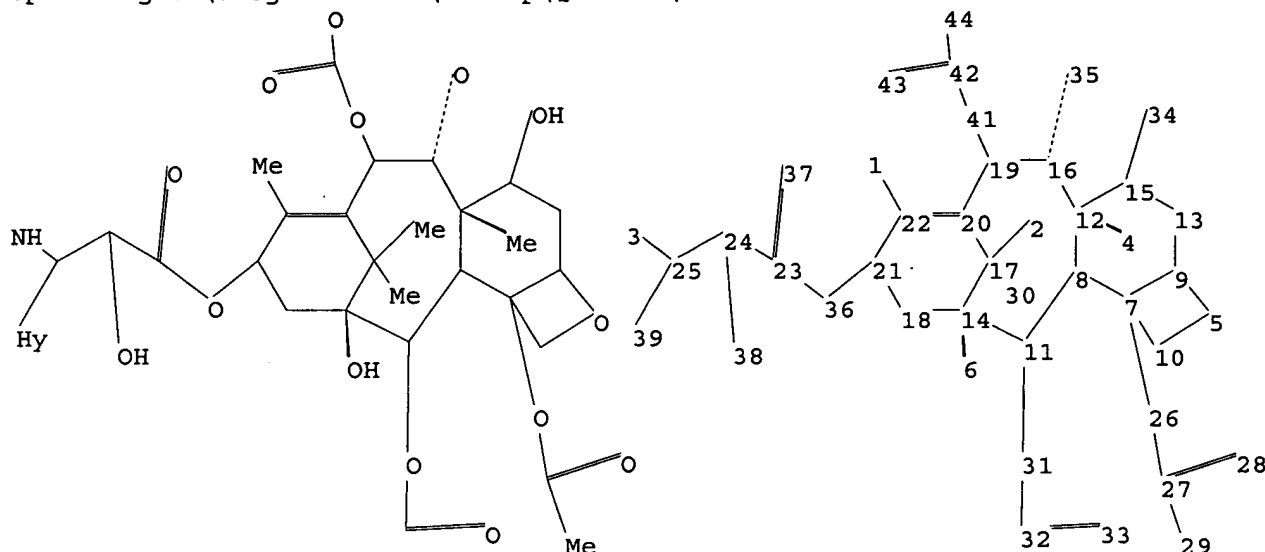


<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10-720615b.str



chain nodes :

1 2 3 4 6 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39  
41 42 43 44

ring nodes :

5 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

chain bonds :

1-22 2-17 3-25 4-12 6-14 7-26 11-31 15-34 16-35 17-30 19-41 21-36 23-24  
23-36 23-37 24-25 24-38 25-39 26-27 27-28 27-29 31-32 32-33 41-42 42-43  
42-44

ring bonds :

5-9 5-10 7-8 7-9 7-10 8-11 8-12 9-13 11-14 12-15 12-16 13-15 14-17  
14-18 16-19 17-20 18-21 19-20 20-22 21-22

exact/norm bonds :

3-25 6-14 7-26 11-31 15-34 16-35 19-41 21-36 23-36 23-37 24-38 25-39  
26-27 27-28 31-32 32-33 41-42 42-43 42-44

exact bonds :

1-22 2-17 4-12 5-9 5-10 7-8 7-9 7-10 8-11 8-12 9-13 11-14 12-15 12-16  
13-15 14-17 14-18 16-19 17-20 17-30 18-21 19-20 20-22 21-22 23-24 24-25  
27-29

isolated ring systems :

containing 5 :

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:Atom 6:CLASS 7:Atom 8:Atom 9:Atom  
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom  
19:Atom 20:Atom 21:Atom 22:Atom 23:CLASS 24:CLASS 25:CLASS 26:CLASS  
27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS  
35:CLASS 36:CLASS 37:CLASS 38:CLASS 39:Atom 41:CLASS 42:CLASS 43:CLASS  
44:CLASS

Stereo Bonds:

12-4 (Single Wedge).

14-6 (Single Wedge).

Stereo Chiral Centers:

12 (Parity=Odd)

14 (Parity=Odd)

Stereo RSS Sets:

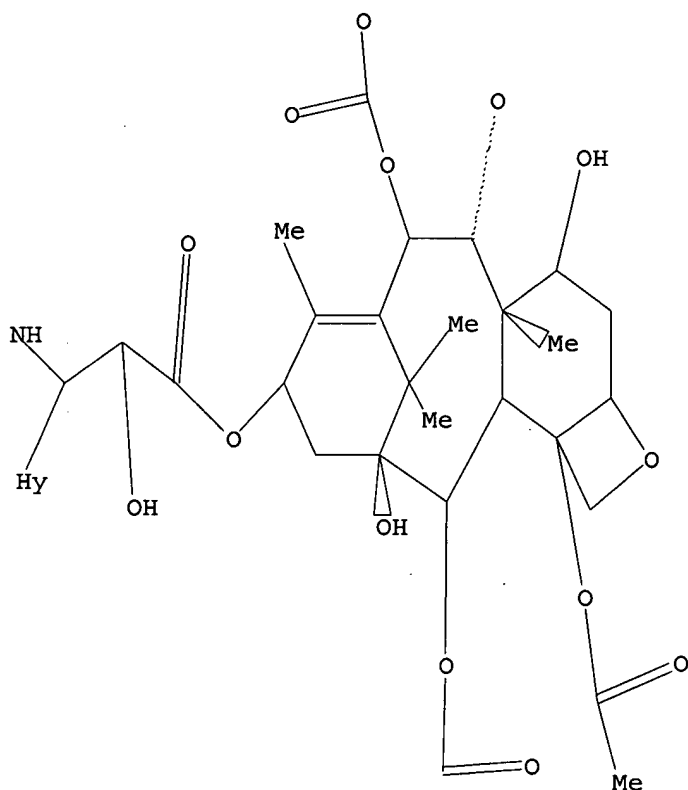
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L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful

FULL SEARCH INITIATED 13:25:52 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 997 TO ITERATE

100.0% PROCESSED 997 ITERATIONS

40 ANSWERS

SEARCH TIME: 00.00.01

L2 40 SEA SSS FUL L1

=> fil caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	161.33	161.54

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 FILE LAST UPDATED: 8 Sep 2005 (20050908/ED)

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=> s l2  
 L3 2 L2

=> d ibib abs fhit tot  
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ABS	-----	GI and AB
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BIB	-----	AN, plus Bibliographic Data and PI table (default)
CAN	-----	List of CA abstract numbers without answer numbers
CBIB	-----	AN, plus Compressed Bibliographic Data
DALL	-----	ALL, delimited (end of each field identified)
DMAX	-----	MAX, delimited for post-processing
FAM	-----	AN, PI and PRAI in table, plus Patent Family data
FBIB	-----	AN, BIB, plus Patent FAM
IND	-----	Indexing data
IPC	-----	International Patent Classifications
MAX	-----	ALL, plus Patent FAM, RE
PATS	-----	PI, SO
SAM	-----	CC, SX, TI, ST, IT
SCAN	-----	CC, SX, TI, ST, IT (random display, no answer numbers; SCAN must be entered on the same line as the DISPLAY, e.g., D SCAN or DISPLAY SCAN)
STD	-----	BIB, IPC, and NCL
IABS	-----	ABS, indented with text labels
IALL	-----	ALL, indented with text labels
IBIB	-----	BIB, indented with text labels

IMAX ----- MAX, indented with text labels  
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 OBIB ----- AN, plus Bibliographic Data (original)  
 OIBIB ----- OBIB, indented with text labels  
  
 SBIB ----- BIB, no citations  
 SIBIB ----- IBIB, no citations  
  
 HIT ----- Fields containing hit terms  
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)  
                   containing hit terms  
 HITRN ----- HIT RN and its text modification  
 HITSTR ----- HIT RN, its text modification, its CA index name, and  
                   its structure diagram  
 HITSEQ ----- HIT RN, its text modification, its CA index name, its  
                   structure diagram, plus NTE and SEQ fields  
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and  
                   its structure diagram  
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its  
                   structure diagram, plus NTE and SEQ fields  
 KWIC ----- Hit term plus 20 words on either side  
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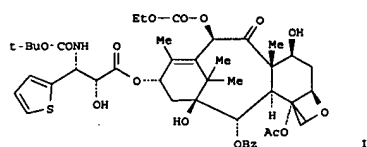
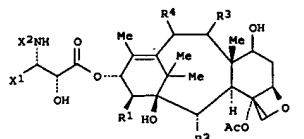
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L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 2001:581882 CAPLUS  
 DOCUMENT NUMBER: 135:152987  
 TITLE: Preparation and formulation of C10 carbonate substituted taxanes as antitumor agents  
 INVENTOR(S): Holton, Robert A.  
 PATENT ASSIGNEE(S): Florida State University Research Foundation, Inc., USA  
 SOURCE: PCT Int. Appl., 81 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 9  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001057031	A1	20010809	WO 2001-US3588	20010202
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MM, MO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2368151	AA	20010809	CA 2001-2368151	20010202
AU 2001033301	A5	20010814	AU 2001-33301	20010202
AU 782028	B2	20050630		
BR 2001004779	A	20011226	BR 2001-4779	20010202
EP 1165550	A1	20020102	EP 2001-905420	20010202
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 2002052403	A1	20020502	US 2001-776426	20010202
US 6638973	B2	20031028		
TR 200102855	T1	20020621	TR 2001-200102855	20010202
US 2003114493	A1	20030619	US 2001-776274	20010202
US 6660866	B2	20031209		
JP 2003522171	T2	20030722	JP 2001-557863	20010202
NZ 514074	A	20040326	NZ 2001-514074	20010202
CA 2354478	AA	20030131	CA 2001-2354478	20010731
JP 2003055361	A2	20030226	JP 2001-233150	20010801
NZ 513296	A	20050128	NZ 2001-513296	20010801
CN 1491947	A	20040428	CN 2001-142408	20010806
NO 2001004753	A	20011129	NO 2001-4753	20011001
BO 105964	A	20020830	BO 2001-105964	20011001
ZA 2001008054	A	20031201	ZA 2001-8054	20011001
ZA 2001008058	A	20031201	ZA 2001-8058	20011001
HK 1053472	A1	20050513	HK 2003-105846	20030814
US 2004097579	A1	20040520	US 2003-680649	20031007
US 2004122055	A1	20040624	US 2003-720615	20031124
PRIORITY APPLN. INFO.:			US 2000-179684P	P 20000202
			US 2000-179669P	P 20000202

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)  
 US 2000-179670P P 20000202  
 US 2000-179671P P 20000202  
 US 2000-179672P P 20000202  
 US 2000-179782P P 20000202  
 US 2000-179793P P 20000202  
 US 2000-179794P P 20000202  
 US 2001-776274 A1 20010202  
 US 2001-776426 A3 20010202  
 WO 2001-US3588 W 20010202

OTHER SOURCE(S): MARPAT 135:152987  
 GI



AB Taxanes of formula I [R1 = H, OH; R2 = acyloxy; R3 = keto, OH, acyloxy; R4 = carbonate; X1 = alkyl, alkenyl, alkynyl, heterocyclyl; X2 = acyl, CO2alkyl, CO2heterocyclyl, etc.], having a carbonate substituent at C(10), are prepared as antitumor agents. Thus, II was prepared and had in vitro cytotoxicity of ID50 of < 1 nM against HCT116 cells. Pharmaceutical compns. containing I are described.  
 REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

=> d ibib abs 2

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 2001:581864 CAPLUS  
 DOCUMENT NUMBER: 135:152983  
 TITLE: Preparation and formulation of taxanes having improved solubility for pharmaceutical use as antitumor agents  
 INVENTOR(S): Holton, Robert A.  
 PATENT ASSIGNER(S): Florida State University Research Foundation, Inc., USA  
 SOURCE: PCT Int. Appl., 319 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 9  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001057013	A1	20010809	WO 2001-US3624	20010202
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RM: GH, GM, KE, LS, MM, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CH, CA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2367661	A1	20010809	CA 2001-2367661	20010202
AU 2001034810	A5	20010814	AU 2001-34810	20010202
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EP 1175414	A1	20020130	EP 2001-906972	20010202
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US 6750245	B2	20040615		
US 2004024051	A1	20040205	US 2003-609301	20030627
US 6872837	B2	20050329		
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US 6906088	B2	20050614		
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US 2004097579	A1	20040520	US 2003-680649	20031007
US 2004087547	A1	20040506	US 2003-720826	20031124
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US 2004122055	A1	20040624	US 2003-720615	20031124
US 2004138267	A1	20040715	US 2003-743581	20031222

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)  
 US 2005020635 A1 20050127 US 2004-867275 20040614  
 US 2005143446 A1 20050630 US 2005-63626 20050223  
 US 2005143447 A1 20050630 US 2005-68166 20050228  
 US 2005182098 A1 20050818 US 2005-67882 20050228  
 US 2005165051 A1 20050728 US 2005-82380 20050317  
 PRIORITY APPLN. INFO.: US 2000-179669P P 20000202

US 2000-179670P P 20000202  
 US 2000-179671P P 20000202  
 US 2000-179672P P 20000202  
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 US 2003-609301 A1 20030627  
 US 2003-618063 A1 20030711  
 US 2003-720826 A1 20031124  
 US 2003-743581 A1 20031222

OTHER SOURCE(S): MARPAT 135:152983  
 GI

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Taxanes, such as I [R7 = H, acyl, carboxy, carbamoyl, etc.; X3 = alkyl, alkenyl, alkynyl, Ph, substituted Ph, heteroaryl; X5 = H, acyl, carboxyl, carboxamide, etc.] with improved solubility, were prepared for use as antitumor agents. Thus, taxotere analog II was prepared via esterification of baccatin III derivative III (R7 = COCH2Me, R10 = SiEt3) with  $\beta$ -lactam IV followed by a deprotection step using HF. The prepared taxanes were tested for cytotoxic activity against HCT116 cells. Pharmaceutical formulations of the prepared taxanes were also presented.

REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT